AMENDMENTS TO THE CLAIMS

Please amend the claims as follows:

1. (Currently Amended) An apparatus for vapor depositing a uniform thickness thin

film of a lubricant on at least one surface of a disk-shaped substrate, comprising:

(a) a chamber having an interior space;

(b) a substrate loader/unloader for supplying said interior space with at least one disk-

shaped substrate and for withdrawing at least one disk-shaped substrate from said interior space,

said disk-shaped substrate comprising a magnetic or magneto optical data/information storage

and retrieval medium;

(c) at least one elongated lubricant vapor source for supplying said interior space with

a stream of lubricant vapor, said at least one elongated lubricant vapor source comprising a

closed heated chamber fluidly communicating with at least a plurality of primary plugs having an

interior for supplying a stream of lubricant vapor, wherein the plurality of primary plugs form a

pattern in the form of a linear array, a diagonal array or a rectangular array; each of said plurality

of primary plugs comprises a drilled hole, said drilled hole substantially extending the length of

the plug's interior transporting the stream of lubricant vapor; and plugs positioned at the outer

edges of the elongated lubricant vapor source have a smaller-diameter drilled hole than the plugs

positioned adjacent to the middle of the elongated lubricant vapor source; and

(d) a substrate transporter/conveyor for continuously moving at least one disk-shaped

substrate past said stream of lubricant vapor from said at least one lubricant vapor source for

depositing on at least one surface thereof a uniform thickness thin film of lubricant.

2

2. (Original) The apparatus according to claim 1, wherein said chamber (a) is adapted for maintaining said interior space at a pressure below atmospheric pressure.

- 3. (Original) The apparatus according to claim 1, wherein said substrate loader/unloader (b) is adapted for providing cooling/condensation of said lubricant vapor for preventing escape of said lubricant vapor from said interior space of said chamber.
- 4. (Original) The apparatus according to claim 1, wherein said substrate loader/unloader (b) is adapted for supplying and withdrawing at least one disc-shaped substrate having a pair of opposed surfaces and said substrate transporter/conveyor (d) is adapted for mounting or gripping at least one disc-shaped substrate.
- 5. (Original) The apparatus according to claim 4, wherein said at least one lubricant vapor source (c) is elongated, with a length greater than an outer diameter of said disc-shaped substrate.
- 6. (Original) The apparatus according to claim 5, wherein said elongated lubricant vapor source (c) comprises a closed heated chamber for accommodating liquid lubricant therein and serving as a lubricant vaporizer, said closed heated chamber fluidly communicating with at least a plurality of primary plugs for supplying said stream of lubricant vapor.
- 7. (Original) The apparatus according to claim 6, wherein said elongated vapor source (c) further comprises a plurality of secondary plugs for increased collimation of said stream of lubricant vapor.

8. (Original) The apparatus according to claim 6, further comprising a spaced-apart plurality of said elongated lubricant vapor sources (c) arranged along a path of transport/conveyance of said at least one disc-shaped substrate within said interior space of said chamber.

9. (Original) The apparatus according to claim 1, wherein said lubricant vapor source (c) comprises at least a plurality of threaded holes into which said plugs are screwed therein.

Claims 10-12 (Cancelled)

- (Original) The apparatus according to claim 8, wherein said chamber (a) is cylindrically-shaped with circularly-shaped upper and lower ends; said substrate loader/unloader (b) comprises at least one combined substrate load/unload station on one of said upper and lower ends; said spaced-apart plurality of lubricant vapor sources (c) comprises a first plurality of radially extending, elongated lubricant vapor sources for depositing a thin film of lubricant on a first one of said pair of opposed surfaces of said disc-shaped substrate; and said substrate transporter/conveyor (d) is adapted to move said at least one disc-shaped substrate in a circular path past each of said first plurality of radially extending, elongated lubricant vapor sources.
- 14. (Original) The apparatus according to claim 13, wherein said spaced-apart plurality of lubricant vapor sources (c) comprises a second plurality of radially extending.

elongated lubricant vapor sources for depositing a thin film of lubricant on a second one of said pair of opposed surfaces of said disc-shaped substrate.

- 15. (Original) The apparatus according to claim 8, wherein said chamber (a) is an elongated, rectangular box-shaped chamber having a pair of longitudinally extending front and rear walls; said substrate loader/unloader (b) comprises a substrate load lock chamber connected to said chamber at a first end of said front wall and a substrate exit lock chamber connected to said chamber at a second end of said front wall; each of said spaced-apart plurality of elongated lubricant vapor sources (c) extends transversely across said front wall in the space between said load lock and said exit chambers; and said substrate transporter/conveyor (d) is adapted to move said at least one disc-shaped substrate in a linear path past each of the transversely extending, elongated lubricant vapor sources.
- 16. (Withdrawn) A method of vapor depositing a uniform thickness thin film of lubricant on at least one surface of a disk-shaped substrate, comprising the steps of:
 - (a) providing an apparatus comprising:
- (i) a chamber having an interior space maintained below atmospheric pressure;
- (ii) a substrate loader/unloader for supplying said interior space with at least one disk-shaped substrate and for withdrawing at least one disk-shaped substrate from said interior space, said disk-shaped substrate comprising a magnetic or magneto optical data/information storage and retrieval medium;
- (iii) at least one lubricant vapor source for supplying said interior space with a stream of lubricant vapor, said vapor source comprising a closed heated chamber fluidly

communicating with at least a plurality of primary plugs for supplying a stream of lubricant vapor; and

- (iv) a substrate transporter/conveyor for continuously moving at least one substrate past said stream of vapor from said at least one lubricant vapor source;
 - (b) supplying said interior space with a substrate having at least one surface;
- (c) continuously moving said substrate past said stream of lubricant vapor and depositing a uniform thickness thin film of said lubricant on said at least one surface; and
 - (d) withdrawing the lubricant-coated disk-shaped substrate from said interior space.
 - 17. (Withdrawn) The method as in claim 16, wherein: step (b) comprises supplying a disc-shaped substrate having a pair of opposed surfaces.
 - 18. (Withdrawn) The method as in claim 17, wherein:

step (b) comprises supplying a disc-shaped substrate having a laminate of layers for a magnetic or magneto-optical (MO) data/information storage and retrieval medium formed on at least one of said pair of opposed surfaces.

19. (Withdrawn) The method as in claim 18, wherein:

step (c) comprises vapor depositing a thin film of a polymeric fluorine-containing lubricant on said laminate of layers on at least one of said pair of opposed surfaces.

20. (Withdrawn) The method as in claim 17, wherein:

step (a)(iii) comprises providing an apparatus with at least one elongated lubricant vapor source having a length greater than an outer diameter of said disc-shaped substrate, said at least one elongated lubricant vapor source comprising a closed heated chamber for accommodating liquid lubricant therein and serving as a lubricant vaporizer, said closed heated chamber fluidly communicating with a plurality of primary plugs for supplying said stream of lubricant vapor.

21. (Withdrawn) The method as in claim 20, wherein:

step (a) comprises providing an apparatus wherein said chamber (i) is in the form of a cylinder with circularly-shaped upper and lower ends; said substrate loader/unloader (ii) comprises at least one combined substrate load/unload station on one of said upper and lower ends; said at least one elongated lubricant vapor source (iii) comprises a first plurality of spaced-apart, radially extending, elongated lubricant vapor sources for depositing a thin film of lubricant on a first one of said pair of opposed surfaces of said disc-shaped substrate; and said substrate transporter/conveyor (iv) is adapted to move said at least one disc-shaped substrate in a circular path past each of said first plurality of spaced-apart, radially extending, elongated lubricant vapor sources.

22. (Withdrawn) The method as in claim 21, wherein said at least one elongated lubricant vapor source (iii) further comprises a second plurality of spaced-apart, radially extending, elongated lubricant vapor sources for depositing a thin film of lubricant on a second one of said pair of opposed surfaces of said disc-shaped substrate.

23. (Withdrawn) The method as in claim 20, wherein step (a) comprises providing an apparatus wherein said chamber (i) is in the form of an elongated, rectangularly-shaped box having a pair of longitudinally extending front and rear walls; said substrate loader/unloader (ii) comprises a substrate load lock chamber connected to said chamber at a first end of said front wall and a substrate exit lock chamber connected to said chamber at a second end of said front wall; said at least one elongated lubricant vapor source (iii) comprises a plurality of spaced-apart, elongated lubricant vapor sources transversely extending across said front wall in the space between said load lock and said exit chambers; and said substrate transporter/conveyor (iv) is adapted to move said at least one disc-shaped substrate in a linear path past each of the plurality of spaced-apart, transversely extending, elongated lubricant vapor sources.

Claims 24-27 (Cancelled)

- 28. (New) The apparatus according to claim 1, wherein the plurality of primary plugs form a pattern in the form of a linear array, a diagonal array, or a rectangular array.
- 29. (New) The apparatus according to claim 1, wherein the plurality of primary plugs positioned at the outer edges of at least one elongated lubricant vapor source have a smaller diameter drilled hole than the plurality of primary plugs positioned adjacent to the middle of at least one elongated lubricant vapor source.